

IRRIGATE FROM YOUR OWN RESERVOIR

A reservoir on your own land makes you independent on the water question. You will have no trouble in filling the reservoir during the spring rains, when all the streams, little and big are flooded. Then you will not be at the mercy of ditch owners and other water users when the dry season comes. The few acres you will require for the reservoir will not be wasted. They will serve to make all your other lands vastly more valuable.

Raise the Water With An I. H. C. Gasoline Engine

Of course you cannot have your reservoir on your high ground. Locate it on the bottom land where it is easiest made and certain to be filled with drainage waters. Then pump the water wherever you need it with an I. H. C. gasoline engine. These engines, always powerful and reliable, have been found to be excellently adapted to irrigation pumping. They are operated with little expense. They require but little attention. They enable you to utilize the waste waters such as deep streams, sloughs and ponds upon your own land. The farmer who has a water supply of his own, so that he may irrigate a few hours now and again, without regard to whether the water is flowing in the company ditch, is the independent farmer. A reservoir on your own land and an I. H. C. gasoline engine to give you the water when you want it, where you want it, is the solution of the problem. The I. H. C. gasoline engine can be used for other purposes beside pumping. It is a general purpose engine, which will be found an all around handy farm helper—to run grinder, sheller, separator, fanning mill, washing machine, churn, grindstone, etc. The I. H. C. line includes besides Famous pumping engines and jacks, the following:

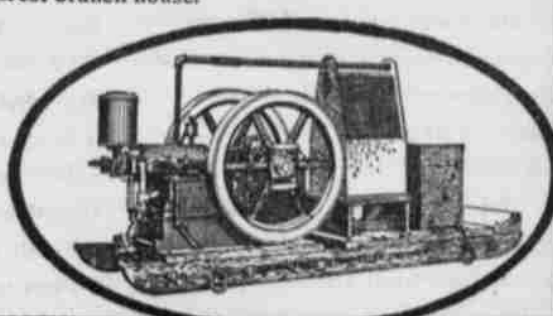
Stationary engines, from 1 to 25 horse-power; Portable engines, from 2 to 20 horse-power; Skidded engines, from 2 to 8 horse-power; Tractors, 12, 15 and 20 horse-power, and Sawing and Spraying outfits.

Call on the International local agent for catalogs and all particulars in regard to these engines, or write nearest branch house.

WESTERN BRANCH HOUSES:
Denver, Colo.; Portland Ore.; Salt Lake City, Utah; Helena, Montana; Spokane, Wash.; San Francisco, Cal.

**INTERNATIONAL
HARVESTER
COMPANY OF
AMERICA**
(Incorporated)

CHICAGO, U. S. A.



GOVERNMENT EXPERIMENTS WITH ALFILARIA SEED.

In connection with the Bureau of Industry of the Department of Agriculture, the forest service has been carrying on a series of experiments relative to the reseeding of over grazed areas upon the National Forests in the west.

Among other important forage plants selected for experimental work is the common alfilaria (*Erodium cicutarium*) of the southwestern desert of southern California Arizona and New Mexico, and furnishes one of the best plants for fattening live stock, especially sheep, known to the stockmen. It grows in the early spring when green feed is most desirable and in a few weeks will cover the desert with a rich green blanket until it looks almost like an alfalfa field. The plant generally reaches a maximum height of from eight to ten inches inside of six weeks and in six weeks more has all died down and blown away, leaving the ground as bare as a floor. The seeds of this plant have been carried from California, in the wool of migrating sheep, into the adjoining states, but while it will grow at high altitudes, it does not reach any great height above an elevation of 3,000 feet.

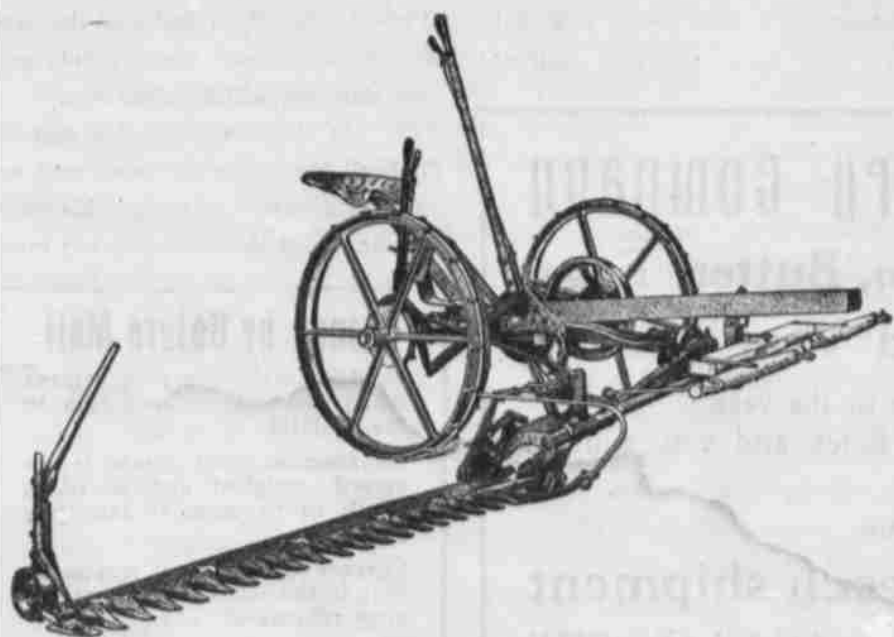
The first obstacle the government experts ran against was the impossibility of obtaining seed in the open markets that would germinate. The

FOR SALE
one Registered Black
PERCHERON STALION
3 yrs old, weight about 1930
Price Reasonable
J. P. GARDNER
136-138 Main St. Salt Lake City

seed commands a high price and is hard to obtain, but of samples purchased from various seed houses the germinating power was never higher than thirteen per cent and the average of several samples was about eight per cent.

In order to determine, if possible, where the fault lay, in the non-germinating power of the seeds purchased, the forest service sent one of its plant experts, Arthur W. Sampson, into the field in southern California where alfilaria was known to be most abundant, with orders to gather seed of this plant and make a careful study of the conditions governing its growth.

This has been done and it is very evident that if the seed can be gathered at the proper time and under proper conditions, it will have a high germinating power. Samples of the seed gathered by Mr. Sampson showed a germination of over ninety-one per cent which is certainly high enough to be satisfactory to any purchaser. Mr. Sampson has been able to outline a method of gathering this seed by which one man can gather a very large amount with very little trouble. Enough of the seed can be easily secured with a high germinative power with which to make experimental plantings on several of the National Forests where this plant would make an admirable addition to the local forage supply. Alfilaria, under normal condition seems to do best in a soil composed mostly of decomposed granite, but it is believed it will flourish in most light sandy soils where there is sufficient moisture in the early spring to start the growth. Now that the forest service has shown how to gather the seeds there is no doubt but that the local seedmen will avail themselves of the experiment and that in future the grade of seed sold by seed men will be of a much better germinative strength.



Osborne Mower

The main frame is cast in one piece and extends to the wheels and is so made that the bearings for the axle are close to the pawl plate on both sides. This keeps the main shaft from springing when a wheel drops into a hole. The gearing is completely enclosed. No other machine so perfectly built.

Utah Implement-Vehicle Co. 135-139 So. State St. **J. F. BURTON**
SALT LAKE CITY Gen'l. Mgr.